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Dated: May 20, 2004

Signature:

(Thomas G. Miller)

Docket No.: 29985/01-040I  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Colin P. Hart

Application No.: 10/786,789

Filed: February 25, 2004

Art Unit: Not Yet Assigned

For: FLUID INJECTION APPARATUS WITH  
IMPROVED CONTRAST VISUALIZATION

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed within three months of the U.S. filing date (37 CFR 1.97(b)(1)).

Those patent(s) or publication(s) which are marked with a double asterisk (\*\*) next to the Cite No. in the attached form PTO/SB/08 (facsimile) are not supplied because they were previously cited by or submitted to the Office in a prior application number 09/797,473, filed March 1, 2001 and relied upon in this application for an earlier filing date under 35 U.S.C. 120.

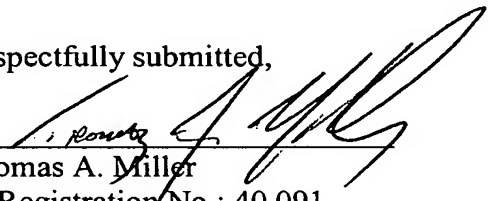
In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 13-2855, under Order No. 29985/01-040I. A duplicate copy of this paper is enclosed.

Dated: May 20, 2004

Respectfully submitted,

By   
Thomas A. Miller

Registration No.: 40,091  
MARSHALL, GERSTEIN & BORUN LLP  
233 S. Wacker Drive, Suite 6300  
Sears Tower  
Chicago, Illinois 60606-6357  
(312) 474-6300  
Attorney for Applicant



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Substitute for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/786,789
				Filing Date	February 25, 2004
				First Named Inventor	Colin P. Hart
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	29985/01-0401

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	**	US-3,674,009	07-04-1972	Williamson	
	**	US-3,701,345	10-31-1972	Heilman, et al.	
	**	US-4,006,736	02-08-1977	Kranys, et al.	
	**	US-4,024,864	05-24-1977	Davies, et al.	
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	**	US-4,370,982	02-01-1983	Reilly	
	**	US-4,502,488	03-05-1985	Degironimo, et al.	
	**	US-4,533,346	08-06-1985	Cosgrove, Jr., et al.	
	**	US-4,551,133	11-05-1985	Zegers de Beyl, et al.	
	**	US-4,634,431	01-06-1987	Whitney, et al.	
	**	US-4,695,271	09-22-1987	Goethel	
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	**	US-4,952,205	08-28-1990	Mauerer, et al.	
	**	US-5,014,715	05-14-1991	Chapolini	
	**	US-5,137,514	08-11-1992	Ryan	
	**	US-5,139,484	08-18-1992	Hazon, et al.	
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	**	US-5,322,511	06-21-1994	Armbruster, et al.	
	**	US-5,485,831	01-23-1996	Holdsworth, et al.	
	**	US-5,515,851	05-14-1996	Goldstein	
	**	US-5,562,614	10-08-1996	O'Donnell	
	**	US-5,569,208	10-29-1996	Woelpper, et al.	
	**	US-5,573,515	11-12-1996	Wilson, et al.	
	**	US-5,611,340	03-18-1997	Souza, et al.	
	**	US-5,611,784	03-18-1997	Barresi, et al.	
	**	US-5,697,899	12-16-1997	Hillman, et al.	
	**	US-5,733,259	03-31-1998	Valcke, et al.	
	**	US-5,800,397	09-01-1998	Wilson, et al.	
	**	US-5,830,194	11-03-1998	Anwar, et al.	
	**	US-5,842,468	12-01-1998	Denyer, et al.	
	**	US-Des. 404,717	01-26-1999	Duchon, et al.	
	**	US-5,865,805	02-02-1999	Ziembra	
	**	US-5,868,710	02-09-1999	Battiato, et al.	
	**	US-5,879,627	03-09-1999	Tanihata	
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	**	US-5,913,844	06-22-1999	Ziembra, et al.	
	**	US-5,916,165	06-29-1999	Duchon, et al.	
	**	US-5,976,112	11-02-1999	Lyza, Jr.	
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	**	US-6,030,368	02-29-2000	Anwar, et al.	
	**	US-6,063,052	05-16-2000	Uber, III et al.	

Examiner Signature		Date Considered	
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Substitute for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/786,789
				Filing Date	February 25, 2004
				First Named Inventor	Colin P. Hart
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	29985/01-0401

	**	US-6,099,502	08-08-2000	Duchon, et al.	
	**	US-6,171,276	01-09-2001	Lippe, et al.	
	**	US-6,221,045	04-24-2001	Duchon, et al.	
	**	US-5,827,219	10-27-1998	Uber, III et al.	
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	**	US-5,417,689	05/1995	Fine	
	**	US-5,925,016	07/1999	Chornenky, et al.	
	**	US-5,993,779	11/1999	Mori, Atsuo	
	**	US-6,139,570	10/2000	Saadat et al.	
	**	US-6,139,571	10/2000	Fuller, et al.	
	**	US-6,295,990	10/2001	Lewis, et al.	
	**	US-5,451,208	09/1995	Goldrath, Milton H.	
	**	US-5,114,423	05/1992	Kasprzyk, et al.	
	**	US-5,496,311	03/1996	Abele, et al.	
	**	US-6,488,659	12/2002	Rosenman	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)					
	**	EP 0 346 950-B2		09-10-1997			
	**	WO- 99/24094		05-20-1999			
	**	WO- 00/59569		10-12-2000			
	**	EP 0 702 966-A2		03-27-1996			

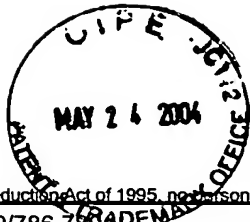
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>

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PTO/SB/92 (08-03)

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Application No.: 10/786,789

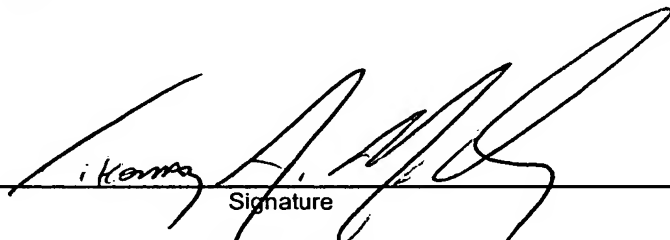
Attorney Docket No.: 29985/01-0401

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IDS (Citation) by Applicant